ABSTRACT

A data source, has data converting part for converting inputted data to a predetermined data packets;

a data buffer storing the data packets;

a descriptor list storing a descriptor to which predetermined address are added, where a method of sending thedata packets is described;

a FIFO storing thepredetermined addresses in a first-in first-out mode; and

data sending part that upon receiving start instructions from thedata converting part, refers to thepredetermined address to which reference is not made yet in theFIFO, fetches data packets corresponding to thedescriptor from thedata buffer in accordance with a method of sending thedescriptor indicated by thepredetermined address, generates a send packet from thedata packet and outputs the same, and sends an end-of-send notice to thedata converting part when the output of thesend packet is ended,

the number of thepredetermined addresses to be stored in theFIFO being N (N: larger than or equal to 1 and smaller than the total number of thedescriptors).